

**I CLAIM:**

## 1. A foldable bicycle comprising:

5 a seat rod unit including a saddle, an upper seat rod connected fixedly to said saddle and having a lower end, and a lower seat rod that is located below said upper seat rod, that is connected pivotally to said lower end of said upper seat rod, and that has a lower end;

10 a rear fork rod connected fixedly to said lower seat rod;

a rear wheel mounted rotatably on said rear fork rod;

15 a front frame unit including a head tube, a front fork rod extending through said head tube, a handle connected to and disposed above said head tube, a frontwardly and upwardly inclined front frame rod having an upper end and a lower end, a horizontal first pivot pin extending through said lower ends of said lower seat rod and said front frame rod such that an  
20 assembly of said lower seat rod and said front frame rod is V-shaped, and a horizontal second pivot pin for connecting said front frame rod rotatably to said head tube;

25 a front wheel mounted rotatably on said front fork rod and aligned with said rear wheel along a longitudinal direction of said bicycle; and

a link unit including

a rearwardly and upwardly inclined rear connecting rod disposed between said upper seat rod and said front frame rod and having a front distal end, a rear end, and a front end portion that is disposed between said rear end and said front distal end of said rear connecting rod and that is disposed adjacent to said front distal end of said rear connecting rod,

5 a horizontal third pivot pin for connecting said rear end of said rear connecting rod rotatably to said upper seat rod,

10 a horizontal fourth pivot pin for connecting said front end portion of said rear connecting rod rotatably to said front frame rod,

a locking device for locking said front frame rod releasably relative to said lower seat rod,

15 a frontwardly and upwardly inclined front connecting rod disposed between said head tube and said front frame rod and having a front end and a rear end,

a front pivot pin for connecting said front end of said front connecting rod rotatably to said head tube, and

20 a rear pivot pin for connecting said rear end of said front connecting rod rotatably to said front distal end of said rear connecting rod, each of said first, second, third, fourth, and front pivot pins forming an inclination angle with respect to a transverse direction of said bicycle so that, when said

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saddle is turned rearwardly away from said handle to a completely folded position, said front and rear wheels are aligned along said transverse direction of said bicycle.

- 5        2. The foldable bicycle as claimed in Claim 1, wherein said inclination angle is between  $7^{\circ}$  and  $12^{\circ}$ .
3. The foldable bicycle as claimed in Claim 1, wherein said link unit further includes a generally horizontal damping hydraulic cylinder connected removably to said
- 10       front frame rod, and a horizontal lower pivot pin for connecting said hydraulic cylinder rotatably to said lower seat rod so that said hydraulic cylinder serves as a shock absorber.
4. The foldable bicycle as claimed in Claim 3, wherein
- 15       said link unit further includes a quick-release clamp that locks said hydraulic cylinder releasably on said front frame rod and that includes a cam lever that is rotatable in a direction so as to release said hydraulic
- 20       cylinder from said front frame rod, said hydraulic cylinder and said quick-release clamp constituting cooperatively said locking device.
5. The foldable bicycle as claimed in Claim 1, wherein said quick-release clamp further includes an insert rod;
- 25       said front frame unit further includes a connector that is disposed fixedly on said front frame rod and that has two aligned lugs, two aligned notches formed

respectively in said lugs, two aligned stop elements connected respectively and fixedly to and disposed between said lugs, and a passage defined between said stop elements;

5           said front connecting rod has a rear end extending through said passage and connected pivotally to said rear connecting rod; and

          said front frame unit further includes an outward flange that is formed on said rear end of said front connecting rod and that abuts against said stop elements so that an angle formed between said front and rear connecting rods is fixed.

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6. The foldable bicycle as claimed in Claim 1, wherein said link unit further includes an inclined tongue connected fixedly to and extending frontwardly and downwardly from said lower end of said upper seat rod, said seat rod unit further including a lug connected fixedly to and disposed in front of said lower seat rod and connected pivotally to said tongue, and a leg element connected fixedly to and extending downwardly from said lower end of said upper seat rod, said leg element and said front and rear wheels being adapted to be placed on the ground when said bicycle is folded completely so that said bicycle can stand on the ground.

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